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New Jersey

Gas
Implementation
Guideline

For

Electronic Data Interchange

TRANSACTION SET

820

Payment/Remittance
Ver/Rel 004010

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March 8, 2002
DRAFT Version 1.7

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Summary of Changes

March 29, 2000 Initial Draft	Initial Release 4010
June 22,2000 1.1	Updated notes section Segment BPR – removed unused elements Segment RMR – elements RMR07 and RMR08 conditional on RMR03 = AJ (Adjustment) Segment REF*11 – ESP Account Number changes to Optional Added segment REF*6O – Cross Reference Number Segment DTM – add description of posted date Updated Examples
September 21, 2000 Version 1.2	Added REF*QY – Identify transaction as GAS Updated Example
May 29, 2001 Version 1.3	Added Table of Contents Added Data Dictionary
June 22, 2001 Version 1.4	Corrected Use Note on Segment REF*11 (ESP Account Number)
August 10, 2001 Version 1.5	Added for PSEG CAS Added elements RMR05 and RMR06 to segment RMR and data dictionary
November 29, 2001 Version 1.6	Added code "CWT" - Clearing House Interbank Payment Systen (CHIPS) / Wire Transfer to BPR04 and data dictionary
March 8, 2002 Version 1.7	Change Note section " Instructions for Handling a Negative Remittance"

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Notes

ASC X12 Version	When sending the remittance advice separate from the payment, you are required to use the ASC X12 Version 004010 as documented in this guideline. When making payments through the banking system, you may use whatever ASC X12 version that your bank will accept.
Use of CCD+ Transaction	All New Jersey GDC's require the use of CCD+ transactions. GIWG requires that if the payment and remittance are sent separately and the payment is made electronically, a CCD+ transaction will be used. The CCD+ was chosen because of its ability to carry an addenda record that can be used to reassociate the payment and remittance advice and it is inexpensive.
	If you currently have a relationship with your bank for sending EDI 820 CCD+ transactions, you can continue to use the process you have in place. The standard you are currently using is negotiable between you and your bank and does not affect your trading partner because they do not see the data you send to your bank. The value of the CCD+ is the addenda record. The addenda record is used to reassociate the payment and remittance; how that is accomplished is up to the receiver and their bank. Those who do not have an EDI 820 relationship with their bank for CCD+ transactions, may use this document as a starting point for discussions with their bank. The bank may have specific requirements. GIWG's only requirement is that the trace number be passed on with the payment instruction and also be present in the remittance advice.
Reassociation	If a CCD+ transaction is sent without remittance information through the banking system, it will contain a TRN segment that will contain a trace number that will also appear on the TRN of the remittance advice that is sent directly to the trading partner.
Addenda Record	The addenda record is built from the information contained in the segment(s) for the payment and this same information will also appear in the TRN segment of the remittance advice.
Testing	In addition to testing with your trading partner, you must allow sufficient time to test with your bank. Most banks require setup/lead time to implement new trading partners.
Prenotes	It is recommended that all new trading partners send/receive a prenote in advance of moving live payments. Do to experience in Electric will consider using penny test in place of prenote test.
	The guideline is presented from the perspective of the sender initiating payment instruction/remittance advice.

Instructions for Handling a Negative Remittance	There are 2 options presented below that may be followed for handling a negative remittance. Each "sending" party should always follow one option – they should not switch options without informing their business partners. A zero remittance is not considered negative and may be sent through the banking system.

Option 1:

New Jersey Natural Gas can send negative remittance advice amounts. NJNG is sending wire transfers only twice per month and will send daily negative remittance advice amounts as necessary.

Option 1:

The 820 payment instruction and remittance advice will be sent on a daily basis and will include all applicable adjustments as outlined in the guides as long as the adjustments are not larger than the payments. If the adjustments are larger than the payments (creating a negative remittance advice), the remittance advice will be held by the sender for one business day with the expectation that additional payments due the next business day will offset the negative remittance amount.

If the negative remittance cannot be offset in one business day, the payer will contact the payee and arrange for the adjustment(s) causing the negative condition to be repaid to the payer. The payer will remove the offending adjustment(s) from the remittance advice, bring the remittance advice to a positive status and transmit the remittance advice to the payee.

Example:

Day 1: Utility X inadvertently transmits a misapplied payment of $500,000 to Supplier A on Day 1.

Day 3: Utility X discovers the problem on Day 3 and reverses the $500,000 on the remittance advice that also details payments of $200,000 causing a negative remittance status:

- $500,000 – Reversal of misapplied payment
+   200,000 – Payment items for Day 3
- $300,000   Negative net amount Day 3

Utility X will hold the remittance advice for one business day to accumulate additional payments to Supplier A with the expectation that additional payments will offset the negative balance.

Day 4: Utility X accumulates an additional $100,000 to remit to Supplier A, but the net is still negative:

- $300,000 – Negative net amount from Day 3
+ $100,000 – Payment items from Day 4
- $200,000   Negative net amount Day 4

At this point Utility X must call the Supplier and notify Supplier A that $500,000 must be returned to Utility X because on Day 1 a payment was misapplied to Supplier A's account. Supplier A must, upon verification of the error, remit $500,000 immediately to Utility X.

Utility X must remove the -$500,000 that created the negative remittance condition and forward payments for Day 3 and 4 the Supplier A.

-$500,000 – Reversal of misapplied payment from Day 3
+ 200,000 – Payment items for Day 3

Option 2:

+ 100,000 – Payment items from Day 4
+ 500,000 – Removal of reversal of misapplied payment from Day 3
  $300,000   Remit to Supplier A

Option 2:
The 820 payment instruction and remittance advice will be sent on a daily basis and will include all applicable adjustments as outlined in the guides as long as the adjustments are not larger than the payments. If the adjustments are larger than the payments (creating a negative remittance advice), the remittance advice will be transmitted with a zero in the BPR02.

The BPR02 will either contain the total positive amount being moved through the ACH system, which will add up to all your detail line items (RMRs), or zero if total of the detail line items is negative.

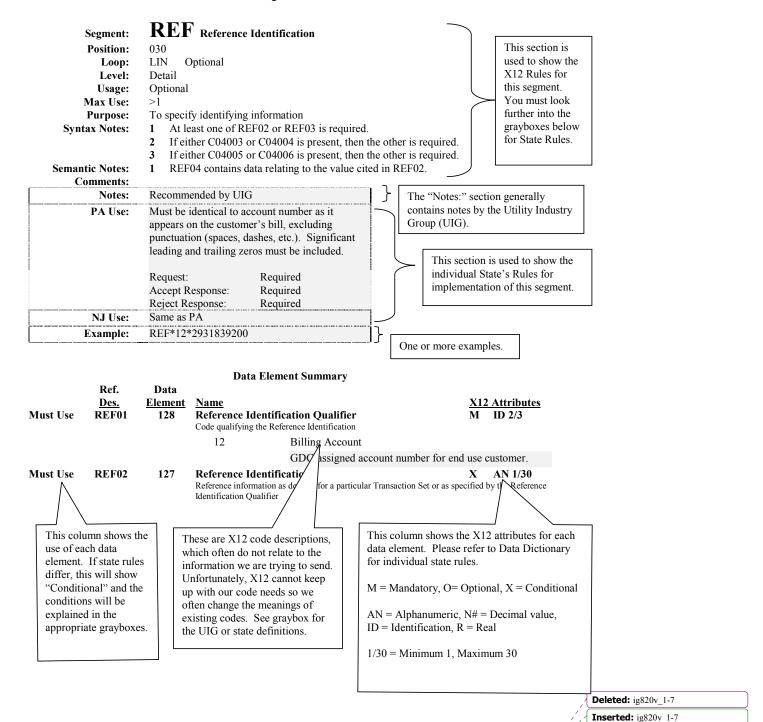| GDC Definitions:	• The term GDC (Gas Distribution Company) in this document refers to the utility.
ESP Definitions:	• The term ESP (Energy Service Provider) in this document refers to the supplier.

How to Use the Implementation Guideline

Segment:	**REF** Reference Identification
Position:	030
Loop:	LIN Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	Recommended by UIG
PA Use:	Must be identical to account number as it appears on the customer's bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included.
	Request: Required
	Accept Response: Required
	Reject Response: Required
NJ Use:	Same as PA
Example:	REF*12*2931839200

This section is used to show the X12 Rules for this segment. You must look further into the grayboxes below for State Rules.

The "Notes:" section generally contains notes by the Utility Industry Group (UIG).

This section is used to show the individual State's Rules for implementation of this segment.

One or more examples.

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	REF01	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	M ID 2/3
			12 Billing Account	
			GDC assigned account number for end use customer.	
Must Use	REF02	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

This column shows the use of each data element. If state rules differ, this will show "Conditional" and the conditions will be explained in the appropriate grayboxes.

These are X12 code descriptions, which often do not relate to the information we are trying to send. Unfortunately, X12 cannot keep up with our code needs so we often change the meanings of existing codes. See graybox for the UIG or state definitions.

This column shows the X12 attributes for each data element. Please refer to Data Dictionary for individual state rules.

M = Mandatory, O= Optional, X = Conditional

AN = Alphanumeric, N# = Decimal value, ID = Identification, R = Real

1/30 = Minimum 1, Maximum 30

820 Payment Order/Remittance Advice
X12 Structure

Functional Group ID=RA

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
	035	TRN	Trace	O	1		c1
	050	REF	Reference Identification	O	>1		
			LOOP ID - N1			>1	
	070	N1	Name	O	1		c2

Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - ENT			>1	
010	ENT	Entity	O	1		n1, c3
		LOOP ID - RMR			>1	
150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1		c4
170	REF	Reference Identification	O	>1		
180	DTM	Date/Time Reference	O	>1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The ENT loop is for vendor or consumer third party consolidated payments.

Transaction Set Comments

1. The TRN segment is used to uniquely identify a payment order/remittance advice.
2. The N1 loop allows for name/address information for the payer and payee which would be utilized to address remittance(s) for delivery.
3. ENT09 may contain the payee's accounts receivable customer number.
4. Loop RMR is for open items being referenced or for payment on account.

Data Dictionary for 820 Transaction

Appl Field	Field Name	Description	EDI Segment	Related EDI Qualifier	Data Type
		HEADER LEVEL REMITTANCE INFORMATION			
1.	Transaction Handling Code	"I" = Remittance Information Only "P" = Prenote	BPR01		X(1)
2.	Total Payment Amount	Will contain the total positive amount being moved through the ACH system, which will add up to all your detail line items (RMRs). Refer to Implementation Guide on how to handle a negative remittance. Zero is not considered a negative remittance.	BPR02		9(10).9(2)
3.	Credit/Debit Indicator	Payment and Remittance Advice will always be a credit: "C" - Credit	BPR03		X(1)
4.	Payment Method Code	Code identifying the method for transmitting the payment. "ACH" - Automated Clearing House "CHK" - Check "CWT" - Clearing House Interbank Payment System (CHIPS) / Wire Transfer	BPR04		X(3)
5.	Payment Format Code	Code identifying payment format to be used. "CTX" - Corporate Trade Exchange "CCP" - Cash Concentration Disbursement "PBC" - Commercial/Corporate Check	BPR05		X(10)
6.	Payer's Intended Settlement Date	Date the payment is expected to clear ACH (CCYYMMDD format).	BPR16		9(8)
7.	Trace Type Code	"1" - Current Transaction Trace Number "3" - Financial Reassociation Number	TRN01		9
8.	Trace Number	Unique number identifying this remittance advice used to reassociate the remittance advice to the payment if the payment and remittance advice are sent separately.	TRN02	TRN01 = "1"	X(30)
9.	Service Indicator	Indicates a customer is participating in Customer Choice	REF02 = **GAS**	REF01 = **QY**	X(3)
10.	Payer Name	Payer's Name	N102	N101 = "PR"	X(60)
11.	Payer DUNS	Payer's DUNS Number or DUNS+4 Number	N104	N101 = "PR"	X(13)

12.	Payee Name	Payee's Name	N102	N101 = "PE"	X(60)
13.	Payee DUNS	Payee's DUNS Number or DUNS+4 Number	N104	N101 = "PE"	X(13)
	PAYMENT LINE ITEM LOOP				
14.	Assigned Number	Number assigned for differentiation within a transaction set.	ENT01		X(6)
15.	GDC Account Number	GDC Account Number for the end use customer.	RMR02	RMR01 = "12"	X(30)
16.	Payment Action Code	"PO" - Payment on Account "AJ" - Adjustment	RMR03		X(2)
17.	Line Item Amount	Total Dollar Amount adjusted or paid for this customer's account. This amount is summed to the BPR02, unless the total of the RMRs is negative, in which case see "Notes".	RMR04		-9(10).9(2)
18.	Invoiced Amount	Total Dollar Amount from the Invoice (810)_	RMR05		-9(10).9(2)
19.	Factor Amount	Total Dollar Amount of the Factor Amount (discount).	RMR06		-9(10).9(2)
20.	Adjustment Reason Code	Adjustment reason code: "CS" = Adjustment "IF" = Insufficient Funds "26" = Cancelled Invoice "72" = Returned Items	RMR07		X(2)

21.	Adjustment Amount	This amount must be signed if negative. The amount in RMR08 will always be the same as the amount in RMR04. The adjustment amount is only populated if there is an adjustment to be made.	RMR08		-9(10).9(2)
22.	NGS Account Number	Customer Account Number assigned by NGS	REF02	REF01 = "11"	X(30)
23.	Cross Reference Number	Unique number to cross-reference 867, 810 and 820 transactions	REF02	REF01="6O"	X(30)
24.	Date Payment Posted	Date the payment was posted by the billing party.	DTM02	DTM01 = "809"	9(8)

* For Payment and Remittance Information Together.
Indicates that these items may or may not be required by your bank.
Different banks have different requirements related to the BPR elements.

Segment:	**ST** Transaction Set Header	
Position:	010	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the start of a transaction set and to assign a control number	
Syntax Notes:		
Semantic Notes:	1	The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:		
NJ Use:	Required	
Example:	ST*820*000000001	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes	
Must Use	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			820 Payment Order/Remittance Advice		
Must Use	ST02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

Segment:	**BPR** Beginning Segment for Payment Order/Remittance Advice
Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of a Payment Order/Remittance Advice Transaction Set and total payment amount, or to enable related transfer of funds and/or information from payer to payee to occur

Syntax Notes:

1. If either BPR06 or BPR07 is present, then the other is required.
2. If BPR08 is present, then BPR09 is required.
3. If either BPR12 or BPR13 is present, then the other is required.
4. If BPR14 is present, then BPR15 is required.
5. If either BPR18 or BPR19 is present, then the other is required.
6. If BPR20 is present, then BPR21 is required.

Semantic Notes:

1. BPR02 specifies the payment amount.
2. When using this transaction set to initiate a payment, all or some of BPR06 through BPR16 may be required, depending on the conventions of the specific financial channel being used.
   BPR06 and BPR07 relate to the originating depository financial institution (ODFI).
3. BPR08 is a code identifying the type of bank account or other financial asset.
4. BPR09 is the account of the company originating the payment. This account may be debited or credited depending on the type of payment order.
5. BPR12 and BPR13 relate to the receiving depository financial institution (RDFI).
6. BPR14 is a code identifying the type of bank account or other financial asset.
7. BPR15 is the account number of the receiving company to be debited or credited with the payment order.
8. BPR16 is the date the originating company intends for the transaction to be settled (i.e., Payment Effective Date).
9. BPR17 is a code identifying the business reason for this payment.
10. BPR18, BPR19, BPR20 and BPR21, if used, identify a third bank identification number and account to be used for return items only.
11. BPR20 is a code identifying the type of bank account or other financial asset.

Comments:

Notes: Specific qualifiers used in data elements BPR01, BPR03, BPR04 and BPR05 need to be discussed and agreed upon between the originator and the originator's financial institution prior to using the transaction. In addition to testing with your trading partner, you must allow sufficient time to test with your bank. Most banks require setup/lead time to implement new trading partners. It is recommended that all new trading partners send/receive a prenote in advance of moving live payments.

For CTX payments and remittance details that travel together. These items may or may not be required by your bank. Different banks have different requirements related to the BPR elements. Your relationship with your bank will be the deciding factor on what information you will send and receive.

NJ Use: BPR01, BPR02, BPR03, BPR04 and BPR16 are Required. The other BPR elements may be sent when sending the 820 through the banking system. It is important that confidential information, such as bank account numbers, NOT be sent when the remittance is being sent separately .

In the event that your remittance advice sums to a negative amount, see the "Instructions for Handling a Negative Remittance" which appear in the Notes. The BPR is an instruction to the bank and the bank cannot move negative dollar amounts.

-

Example: BPR*I*1000.00*C*ACH*CCP**********19990220   (Remittance Information Only)

Data Element Summary

	Ref. Des.	Data Element	Name		X12 Attributes
Must Use	BPR01	305	**Transaction Handling Code**		**M ID 1/2**

Code designating the action to be taken by all parties

I		Remittance Information Only
P		Prenotification of Future Transfers

It is recommended that all new trading partners send/receive a prenote in advance of moving live payments.

	Ref. Des.	Data Element	Name		X12 Attributes
Must Use	BPR02	782	**Monetary Amount**		**M R 1/15**

Monetary amount

Will contain the total positive amount (including zero) being moved through the ACH system, which will add up to all your detail line items (RMRs). Please see Notes above for instructions on how to handle a negative remittance.

	Ref. Des.	Data Element	Name		X12 Attributes
Must Use	BPR03	478	**Credit/Debit Flag Code**		**M ID 1/1**

Code indicating whether amount is a credit or debit

C	Credit

	Ref. Des.	Data Element	Name		X12 Attributes
Must Use	BPR04	591	**Payment Method Code**		**M ID 3/3**

Code identifying the method for the movement of payment instructions

ACH	Automated Clearing House (ACH)
CHK	Check
CWT	Clearing House Interbank Payment Systen (CHIPS) / Wire Transfer

	Ref. Des.	Data Element	Name		X12 Attributes
Recomm	BPR05	812	**Payment Format Code**		**O ID 1/10**

Code identifying the payment format to be used

CCP	Cash Concentration/Disbursement plus Addenda (CCD+) (ACH)
PBC	Commercial/Corporate Check

	Ref. Des.	Data Element	Name		X12 Attributes
Must Use	BPR16	373	**Date**		**O DT 8/8**

Date (CCYYMMDD)

Payer's intended settlement date. This date may be different from the actual settlement date, which is the date your bank is debited or credited by the Federal Reserve for this item.

Segment:	**TRN** Trace
Position:	035
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To uniquely identify a transaction to an application
Syntax Notes:	
Semantic Notes:	1 TRN02 provides unique identification for the transaction.
	2 TRN03 identifies an organization.
	3 TRN04 identifies a further subdivision within the organization.
Comments:	
NJ Use:	Required
	This segment will be used to generate the addenda record that accompanies the dollars when only remittance information is sent.
Example:	TRN*3*GIWGCP76037298

Data Element Summary

	Ref. Des.	Data Element	Name		X12 Attributes
Must Use	TRN01	481	**Trace Type Code**		**M ID 1/2**
			Code identifying which transaction is being referenced		
			1	Current Transaction Trace Numbers	
				Used when Payment and Remittance Information travel Together	
			3	Financial Reassociation NumberThe matching of payment and remittance information originated separately.	
				Used when this 820 is for Remittance Information Only	
Must Use	TRN02	127	**Reference Identification**		**M AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			Unique Number identifying this remittance advice, used to reassociate the remittance advice to the payment, when the payment and remittance advice are sent separately.		

Segment:	**REF** Reference Identification (QY= Service Performed Code)	
Position:	050	
Loop:	REF	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify identifying information	
Syntax Notes:	1 At least one of REF02 or REF03 is required.	
Semantic Notes:		
Comments:		
NJ Use:	Required	
Example:	REF*QY*GAS	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes	
Must Use	REF01	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	M	ID 2/3
			QY Service Performed Code		
Must Use	REF02	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
			GAS GAS		

Segment:	**N1** Name (PR = GDC Name)
Position:	070
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.
NJ Use:	Required
Example:	N1*PR*GDC COMPANY*1*007909411

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes	
Must Use	N101	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			PR Payer		
			Initiator of the payment/remittance advice		
Must Use	N102	93	**Name**	X	AN 1/60
			Free-form name		
			Payer Name		
Must Use	N103	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			1 D-U-N-S Number, Dun & Bradstreet		
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
Must Use	N104	67	**Identification Code**	X	AN 2/80
			Code identifying a party or other code		
			Payer D-U-N-S Number or D-U-N-S + 4 Number		

Segment:	**N1** Name (PE = ESP Name)
Position:	070
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.
NJ Use:	Required
Example:	N1*PE*ESP COMPANY*1*007909422

Data Element Summary

	Ref. Des.	Data Element	Name		X12 Attributes
Must Use	N101	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			PE Payee		
			Receiver of the payment/remittance advice		
Must Use	N102	93	**Name**	X	AN 1/60
			Free-form name		
			Payee Name		
Must Use	N103	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			1 D-U-N-S Number, Dun & Bradstreet		
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
Must Use	N104	67	**Identification Code**	X	AN 2/80
			Code identifying a party or other code		
			Payee D-U-N-S Number or D-U-N-S + 4 Number		

Segment:	# ENT Entity
Position:	010
Loop:	ENT Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To designate the entities which are parties to a transaction and specify a reference meaningful to those entities

Syntax Notes:		
	1	If any of ENT02 ENT03 or ENT04 is present, then all are required.
	2	If any of ENT05 ENT06 or ENT07 is present, then all are required.
	3	If either ENT08 or ENT09 is present, then the other is required.

Semantic Notes:

Comments: 1   This segment allows for the grouping of data by entity/entities at or within a master/masters. A master (e.g., an organization) can be comprised of numerous subgroups (e.g., entities). This master may send grouped data to another master (e.g., an organization) which is comprised of one or more entities. Groupings are as follows:

(1) Single/Single: Only ENT01 is necessary, because there is a single entity (the sending master) communicating with a single entity (the receiving master).

(2) Single/Multiple: ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master. The sending master is a single entity, so no other data elements need be used.

(3) Multiple/Single: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. The receiving master is a single entity, so no other data elements need be used.

(4) Multiple/Multiple: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master.

This segment also allows for the transmission of a unique reference number that is meaningful between the entities.

NJ Use:	Required
Example:	ENT*1

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes	
Must Use	ENT01	554	**Assigned Number** Number assigned for differentiation within a transaction set	O	N0 1/6

Segment:	**RMR** Remittance Advice Accounts Receivable Open Item Reference
Position:	150
Loop:	RMR Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the accounts receivable open item(s) to be included in the cash application and to convey the appropriate detail

Syntax Notes:	1	If either RMR01 or RMR02 is present, then the other is required.
	2	If either RMR07 or RMR08 is present, then the other is required.
Semantic Notes:	1	If RMR03 is present, it specifies how the cash is to be applied.
	2	RMR04 is the amount paid.
	3	RMR05 is the amount of invoice (including charges, less allowance) before terms discount (if discount is applicable) or debit amount or credit amount of referenced items.
	4	RMR06 is the amount of discount taken.
	5	RMR08, if present, represents an interest penalty payment, amount late interest paid, or amount anticipation.
Comments:	1	Parties using this segment should agree on the content of RMR01 and RMR02 prior to initiating communication.
	2	If RMR03 is not present, this is a payment for an open item. If paying an open item, RMR02 must be present. If not paying a specific open item, RMR04 must be present.
	3	RMR05 may be needed by some payees to distinguish between duplicate reference numbers.

NJ Use:	Required PSE&G will provide "72" or "CS" in RMR07
Examples:	RMR*12*7799621539*PO*300.00 RMR*12*39481958690*PO*795.00 RMR*12*3965716927*AJ*-95.00***CS*-95.00 RMR*12*3942342340*PO*96.00*100.00*4.00

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes	
Must Use	**RMR01**	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	X	ID 2/3
		12	Billing Account		
			GDC-assigned account number for the end use customer.		
Must Use	**RMR02**	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
			GDC-assigned account number for the end use customer.		
Must Use	**RMR03**	482	**Payment Action Code** Code specifying the accounts receivable open item(s), if any, to be included in the cash application.	O	ID 2/2
		AJ	Adjustment		
			Adjustment of a previous payment.		
		PO	Payment on Account		

Must Use	**RMR04**	782	**Monetary Amount**	**O**	**R 1/18**

Monetary amount

The payment/adjustment amount. This amount is algebraically summed to BPR02.
Please see Notes above for instructions on how to handle a negative remittance – when the total remittance is negative, the sum of the RMR04 values will not add up to the BPR02

If a Factor is being applied to payment:
Amount being remitted per customer account, invoice amount **after** factoring
Should equal RMR05 – RMR06 (rounding may cause difference)

Conditional	**RMR05**	782	**Monetary Amount**	**O**	**R 1/18**

Monetary amount
Total Amount from the 810 prior to factoring
Required if a Factor is being applied to payment

Conditional	**RMR06**	782	**Monetary Amount**	**O**	**R 1/18**

Monetary amount
Factored Amount
Required if a Factor is being applied to payment

Conditional	**RMR07**	426	**Adjustment Reason Code**	**X**	**ID 2/2**

Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment

26	Invoice Cancelled
72	Authorized Return
	Returned Items
CS	Adjustment
IF	Insufficient Funds

Require if RMR03 = AJ

Conditional	**RMR08**	782	**Monetary Amount**	**X**	**R 1/18**

Monetary amount

The adjustment amount. This amount must be signed if negative. The amount in RMR04 will always be the same as the amount in RMR08. The adjustment amount is only populated if there is an adjustment to be made.
Require if RMR03 = AJ

Segment:	**REF** Reference Identification (11 = ESP Account Number)	
Position:	170	
Loop:	RMR Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify identifying information	
Syntax Notes:	1 At least one of REF02 or REF03 is required.	
	2 If either C04003 or C04004 is present, then the other is required.	
	3 If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.	
Comments:		
NJ Use:	Conditional - GDC's are required to provide this data if store in their system.	
	GDCs are not required to store ESP account number their system. GDCs if storing will do so if provided on 814 enrollment and/or 814 change. If GDC does store ESP account number, GDC will provide ESP account number on all transactions.	
	All GDCs except for Elizabethtown are storing ESP account number.	
Example:	REF*11*1394959	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes	
Must Use	**REF01**	128	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			11 Account Number		
			ESP-assigned account number for end use customer.		
Must Use	**REF02**	127	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment:	**REF** Reference Identification (6O = Unique cross-reference number)
Position:	170
Loop:	RMR Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	
PA Use:	Required if billing party is making the non-billing party whole. Unique cross reference number used to associate metering information (867MU or 867IU transaction), billing information (810 transaction) and payment information (820 transaction) for a specific billing period for an account.
NJ Use:	Optional if billing party is making the non-billing party whole otherwise not used. Unique cross reference number used to associate metering information (867MU or 867IU transaction), billing information (810 transaction) and payment information (820 transaction) for a specific billing period for an account.
DE Use for Conectiv:	This will not be used in Delaware (Conectiv)
Example:	REF*6O*123456789 (Note code 6O with a letter O)

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes	
Must Use	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			6O Cross Reference Number		
			Unique cross-reference number to link 867, 810, and 820. The cross-reference number originally transmitted in the 867 – BPT02, and the 810 – BIG05.		
Must Use	REF02	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment:	**DTM** Date/Time Reference (809 = Posted)	
Position:	180	
Loop:	RMR Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.	
	2 If DTM04 is present, then DTM03 is required.	
	3 If either DTM05 or DTM06 is present, then the other is required.	
Semantic Notes:		
Comments:		
NJ Use:	Required if billing party is not making the non-billing party whole.	
Example:	DTM*809*19990214	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes	
Must Use	DTM01	374	**Date/Time Qualifier** Code specifying type of date or time, or both date and time	M	ID 3/3
			809 Posted		
Must Use	DTM02	373	**Date** Date expressed as CCYYMMDD	X	DT 8/8
			Date the funds are posted in sender's system		

Segment:	**SE** Transaction Set Trailer
Position:	010
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:	
Semantic Notes:	
Comments:	1 SE is the last segment of each transaction set.
NJ Use:	Required
Example:	SE*17*000000001

Data Element Summary

	Ref. Des.	Data Element	Name		X12 Attributes
Must Use	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
Must Use	SE02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

EXAMPLES
Making the Other Party Whole Examples

Scenario #1 - Part A: Payment Only – CCD+ Transaction

BPR*D*1000.00*C*ACH*CCP*01*031100047*DA*1234567***01*031201467*DA*7654321*19990520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037298	Trace Number
REF*QY*GAS	Identify transaction as being a GAS document
N1*PR*GDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name

Scenario #1: Part B: Remittance Only

BPR*I*1000.00*C*ACH*CCP***********19990520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037298	Trace Number
REF*QY*GAS	Identify transaction as being a GAS document
N1*PR*GDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name
ENT*1	
RMR*12*7799621539*PO*300.00	GDC Account Number and associated dollar amount
REF*11*1394959	ESP Account Number
REF*6O*123456789	Cross Reference Number to 810 and 867
RMR*12*39481958690*PO*795.00	GDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
REF*6O*123456789	Cross Reference Number to 810 and 867
RMR*12*3965716927*AJ*-95.00***CS*-95.00	GDC Account Number and associated dollar amount
REF*11*3859175	ESP Account Number
REF*6O*123456789	Cross Reference Number to 810 and 867

Please note that the TRN is identical in Scenario #3 parts A & B so that they can be reassociated.

Not Making the Other Party Whole Examples

Scenario #1 - Part A**: Payment Only – CCD+ Transaction**

BPR*C*1000.00*C*ACH*CCP*01*031100047*DA*1 234567***01*031201467*DA*7654321*19990520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037298	Trace Number
REF*QY*GAS	Identify transaction as being a GAS document
N1*PR*GDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name

Scenario #1**: Part B: Remittance Only**

BPR*I*1000.00*C*ACH*CCP**********19990520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037298	Trace Number
REF*QY*GAS	Identify transaction as being a GAS document
N1*PR*GDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name
ENT*1	
RMR12*7799621539*PO*300.00	GDC Account Number and associated dollar amount
REF*11*1394959	ESP Account Number
DTM*809*19990514	Date customer payment was posted.
RMR12*39481958690*PO*795.00	GDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
DTM*809*19990514	Date customer payment was posted.
RMR12*3965716927*AJ*-95.00***CS*-95.00	GDC Account Number and associated dollar amount
REF*11*3859175	ESP Account Number
DTM*809*19990514	Date customer payment was posted.

Please note that the TRN is identical in Scenario #3 parts A & B so that they can be re-associated.

Remittance Only – Negative Remittance
Payment is not made and Remittance Advice is held one business day to see if the remittance becomes positive.
Please see Notes Page in the 820 Payment Remittance EDI Implementation Guide for instructions on how to resolve a negative remittance older than one business day

BPR*I***?????**C*ACH*CCP**********19990220	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037298	Trace Number
REF*QY*GAS	Identify transaction as being a GAS document
N1*PR*GDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name
ENT*1	
RMR12*7799621539*PO*300.00	GDC Account Number and associated dollar amount
REF*11*1394959	ESP Account Number
DTM*809*19990514	Date customer payment was posted.
RMR12*39481958690*PO*795.00	GDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
DTM*809*19990514	Date customer payment was posted.
RMR12*3965716927*AJ*-1195.00***CS*-1195.00	GDC Account Number and associated dollar amount
REF*11*3859175	ESP Account Number
DTM*809*19990514	Date customer payment was posted.

Note that there is no associated CCD+ transaction.